~~*repair costs, refresh costs, and restore costs*~~. An algorithm for determining an elements priority may be dependent on the expected or intended remaining service life, for example an elements installed date or in service date plus its design life, as compared to the remaining Service life, and with a priority assigned, in a preferred embodiment, based on the expected useful life, the maintenance costs to the end of its expected life, its restore costs and the allocation of the maintenance budget available for maintenance service. For example, according to the disclosed inventive principles, a priority expressed in terms of the proportion of the budget budget allocated to an element may be structured on the costs of service to the end of expected life as compared to time to restore without service and the cost of restoring the element. In a preferred embodiment, a priority may be highest for those elements with the greatest amount of remaining service life and least for those elements with the least amount of service life remaining.

In Page 17, replace Paragraph 0028, with replacement Paragraph 0028.

According to the inventive principles, as shown for a preferred embodiment, as a result a performance report in data for each respective coating system and the protected elements is produced comparing element field performance to expected ~~to~~ or predicted performance. The data report of performance may be accessed by system programming and used to generate one or more of the following alarms.